

PN - GB1111929 A 19680501

PD - 1968-05-01

PR - DE1965F047736 19651120; DE1966F049667 19660711

OPD- 1965-11-20

TI - Injectable colloidal iron preparations and their production

AB - An iron-polysaccharide complex is made by heating a polysaccharide with hydrogen peroxide, and at a pH above 8, with a non-toxic ferric compound and bringing the resulting complex into colloidal solution. The polysaccharide may have been heated under alkaline, neutral or weakly acid conditions with the hydrogen peroxide, prior to effecting complex formation. The product may be dried, and formed into solution with a chelating hydroxyacid. Specified polysaccharides are starch, dextran, levan, insulin, mannan and pullulan; specified ferric compounds are the nitrate, chloride, acetate or ferric ammonium chloride or a ferric oxy-salt.

The chelating acid may be citric, tartaric, lactic, glycolic or salicylic acid. ALSO: An iron-polysaccharide complex which has been prepared by reacting, at a pH above 8, a polysaccharide which has been treated with hydrogen peroxide and a non-toxic ferric compound and which has been brought into colloidal suspension, may be used in the preparation of an injectable preparation. In examples, the complex is brought into solution using secondary sodium citrate as a chelating agent, the pH is adjusted to 6.3, the solution rendered isotonic e.g. with NaCl, and then sterilized at 105 DEG C. for 1/2 -hour, yielding a solution containing 100 mg Fe/ml. Specified polysaccharides are starch, dextran, mannan, inulin, pullulan and levan. Other chelating agents are citric, lactic, tartaric, glycolic or salicylic acids.

PA - BAYER AG

EC - C08B31/00 ; A61K31/295 (N); A61K31/715 (N); C08B37/00 (N); A61K33/26

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TI - Injectable colloidal iron preparations may be prepared by heating polysaccharides in alkaline-, neutral - or weakly acid solution in the presence of H<sub>2</sub>O<sub>2</sub>, with

PR - DE1965F047736 19651120

PN - BE689779 A 19670516 DW196800 000pp

- FR1501352 A 00000000 DW196801 000pp

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- NL6616205 A 00000000 DW196801 000pp

- DE1617463 A 19710408 DW198448 000pp

PA - (FARB ) FARBENFAB BAYER AG

IC - A61K0/00

AB - BE-689779 Injectable colloidal iron preparations may be prepared by heating polysaccharides in alkaline-, neutral - or weakly acid solution in the presence of H<sub>2</sub>O<sub>2</sub>, with ferrisalts. The polysaccharide-iron complex may then be brought in aqueous solution with chelate-forming hydroxylacids.

- The injectable colloidal 3-valent iron preparations are used in therapy.

- Polysaccharides with any molecular weight may be used without having to prepare certain fractions.

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AN - 1966-27035F [00]